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RAW SEQUENCE LISTING DATE: 05/21/2001 PATENT APPLICATION: US/09/851,673 TIME: 09:59:12

Input Set : A:\3198 Seq Listing 050801.txt
Output Set: N:\CRF3\05212001\I851673.raw

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	3 4 5	<110	F	ansl	CANT ow, 1	Will	iam	Jon	atha	n											
	7	<120	)> T	ITĽE	OF	INVE	NTIO	N: S	CREE	NING	ASS	AYS :	FOR .	AGON	ISTS	OR .	ANTAGONI	STS OF	CD40	SIGNAI	LING
		<130																			
C>												/851	,673								
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		gagg	tcc	cat (	cagco	cctt	gc c	ctgt										172			
	33										Asn I	Arg I			Irp :	Lys :	Ser				
	34	caa	ctc	+ a+	aaa	ata	ata	G 3 G		1	aat	~~~		5	~~~	~~+		220			
		Gln																220			
	38		10	010	014	1100	, 41	15	110	001	011	OI,	20	111.4	111 U	пор	OIII				
	40	gac	gta	ctg	ggc	gaa	gag	tct	cct	ctg	ggg	aag	cca	gcc	atg	ctg	cac	268			
	41	Asp	Val	Leu	Gly	Glu	Glu	Ser	Pro	Leu	Gly	Lys	Pro	Ala	Met	Leu	His				
	42						30					35					40				
	44	ctg Leu	Dro	tca	gaa	cag	ggc	gct	CCt	gag	acc	ctc	cag	cgc	tgc	ctg	gag	316			
	46	пец	FIO	ser	GIU	45	Gry	нта	PIO	GIU	50	Leu	GIII	AIG	Cys	ьеи 55	GIU				
		gag	aat	caa	gag		cga	gat	gcc	atc		caq	agc	aac	caq		cta	364			
		Glu																			
	50				60					65					70						
		cgg																412			
	53 54	Arg	GIu	Arg 75	Cys	Glu	GIu	Leu	Leu 80	His	Phe	GIn	Ala		Gln	Arg	Glu				
		gag	aad		ttc	ctc	ata	tac		ttc	cad	gag	acc	85 agg	222	cta	ata	460			
		Glu																400			
	58		90					95	4				100	,	-1-						
		gag																508			
		Glu .	Arg	Leu	Gly	Leu		Lys	Leu	Asp	Leu		Arg	Gln	Lys	Glu					
		105	a+ ~	000	~~~	~+~	110		a+ -			115	~-				120	556			
		gct Ala																556			
	66	u	<b>u</b> cu	.n. y	JIU	125	JIU	1173	шeu	пÃр	130	cys	GIII	GIII	GIII	мес 135	n1a				
		gag	gac	aag	gcc		gtg	aaa	gcc	cag		acg	tcc	ttg	ctc		gag	604			

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CO Clarker Inc. No. Con Vol. Inc. No. Clar Vol. Mbr. Con Inc. Clar Clar	
69 Glu Asp Lys Ala Ser Val Lys Ala Gln Val Thr Ser Leu Leu Gly Glu 70 140 145 150	
72 ctg cag gag agc cag agt cgc ttg gag gct gcc act aag gaa tgc cag	652
73 Leu Gln Glu Ser Gln Ser Arg Leu Glu Ala Ala Thr Lys Glu Cys Gln	
74 155 160 165	
76 get etg gag ggt egg gee egg gee age gag eag geg egg eag etg	700
77 Ala Leu Glu Gly Arg Ala Arg Ala Ser Glu Gln Ala Arg Gln Leu	
78 170 175 180	740
80 gag agt gag cgc gag gcg ctg cag cag cac agc gtg cag gtg gac 81 Glu Ser Glu Arg Glu Ala Leu Gln Gln Gln His Ser Val Gln Val Asp	748
82 185 190 195 200	
84 cag ctg cgc atg cag ggc cag agc gtg gag gcc gcg ctc cgc atg gag	796
85 Gln Leu Arg Met Gln Gly Gln Ser Val Glu Ala Ala Leu Arg Met Glu	
86 . 205 210 215	
88 cgc cag gcc gcc tcg gag gag aag agg aag ctg gcc cag ttg cag gtg	844
89 Arg Gln Ala Ala Ser Glu Glu Lys Arg Lys Leu Ala Gln Leu Gln Val	
90 220 225 230	000
92 gcc tat cac cag ctc ttc caa gaa tac gac aac cac atc aag agc agc	892
93 Ala Tyr His Gln Leu Phe Gln Glu Tyr Asp Asn His Ile Lys Ser Ser 94 235 240 245	
96 gtg gtg ggc agt gag cgg aag cga gga atg cag ctg gaa gat ctc aaa	940
97 Val Val Gly Ser Glu Arg Lys Arg Gly Met Gln Leu Glu Asp Leu Lys	
98 250 255 260	
100 cag cag ctc cag cag gcc gag gcc ctg gtg gcc aaa cag gag gtg	988
101 Gln Gln Leu Gln Gln Ala Glu Glu Ala Leu Val Ala Lys Gln Glu Val	
102 265 270 275 280	1006
104 atc gat aag ctg aag gag gag gcc gag cac aag att gtg atg gag	1036
105 Ile Asp Lys Leu Lys Glu Glu Ala Glu Gln His Lys Ile Val Met Glu 106 285 290 295	
108 acc gtt ccg gtg ctg aag gcc cag gcg gat atc tac aag gcg gac ttc	1084
109 Thr Val Pro Val Leu Lys Ala Gln Ala Asp Ile Tyr Lys Ala Asp Phe	
110 300 305 310	
112 cag gct gag agg cag gcc cgg gag aag ctg gcc gag aag aag gag ctc	1132
113 Gln Ala Glu Arg Gln Ala Arg Glu Lys Leu Ala Glu Lys Lys Glu Leu	
114 315 320 325	1100
116 ctg cag gag cag ctg gag cag ctg cag agg gag tac agc aaa ctg aag	1180
117 Leu Gln Glu Gln Leu Glu Gln Leu Gln Arg Glu Tyr Ser Lys Leu Lys 118 330 340	
120 gcc agc tgt cag gag tcg gcc agg atc gag gac atg agg aag cgg cat	1228
121 Ala Ser Cys Gln Glu Ser Ala Arg Ile Glu Asp Met Arg Lys Arg His	
122 345 350 355 360	
124 gtc gag gtc tcc cag gcc ccc ttg ccc ccc gcc cct gcc tac ctc tcc	1276
125 Val Glu Val Ser Gln Ala Pro Leu Pro Pro Ala Pro Ala Tyr Leu Ser	
126 365 370 375	100.
128 tet eec etg gee etg eec age eag agg agg eec eec eec gag gag eea	1324
129 Ser Pro Leu Ala Leu Pro Ser Gln Arg Arg Ser Pro Pro Glu Glu Pro 130 380 385 390	
132 cet gae tte tge tgt eec aag tge eag tat eag gee eet gat atg gae	1372
133 Pro Asp Phe Cys Cys Pro Lys Cys Gln Tyr Gln Ala Pro Asp Met Asp	



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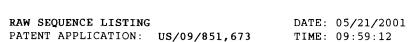
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		: cto			cat	atc	atα			att	nan	tan	405		azat	gcaagg	1425
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138		410				, 41	415	0± u	C	110	Olu						
				ccca	agga	ca t		аааа	a aa	taca	atct	aca	cttt	cct	ctcc	cgcctg	1485
142	cct	agec	cag	gatg	aagg	ac t	aaat.	aacc	a ca	acto	ggat	acc	acct	gga	accc	caccca	1545
144	qqa	cctagcccag gatgaaggge tgggtggcca caactgggat gccacctgga gcccaccca ggagctggcc gcggcacctt acgcttcagc tgttgatccg ctggtcccct cttttggggt										1605					
146	agatgoggco cogatcaggo ctgactogot gototttttg ttoccttotg totgotogaa											1665					
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154	2 teccaeegga caeegaeeeg eeegeegetg tgeeetggga gtgetgeeet ettaeeatge 4 acaegggtge teteettttg ggetgeatge tatteeattt tgeageeaga eegatgtgta												1905				
156	5 tttaaccagt cactattgat ggacatttgg gttgtttccc atctttttgt taccataaat												1965				
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169					5					10					15		
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181		50					55					60					
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185		-1	<b>~</b> 1		_	70	_				75					80	
	HIS	Pne	Gin	Ala		GIn	Arg	Glu	Glu		Glu	Phe	Leu	Met	Cys	Lys	
189	Dha	<b>01</b>	<b>01</b>	21.	85		-		<b>~</b> 1	90	_		_		95		
	Pne	GIN	GIU		Arg	гăг	Leu	va⊥		Arg	Leu	GLY	Leu		Lys	Leu	
193	7 an	T 0	T	100	<b>a</b> 1	<b>t -</b>	<b>a</b> 1	01	105	-		-1		110		_	
197	ASP	ьеи	115	Arg	GIN	гàг	GIU		Ата	Leu	Arg	GIu		GIu	His	Leu	
	Tvc	λνα		Cln	Cln	C1 n	Vo+	120	C1	<b>3</b>	T	31	125	77. 7	-	- 1	
201	цуз	130	Cys	GIII	GIII	GIII	135	Ald	GIU	ASP	гуѕ		ser	vaı	Lys	Ala	
	Gln		Thr	Sar	Lou	Lou		C111	T 011	C1 n	C1	140	C1 n	C	Arg	T	
205		vai	1111	261	Leu	150	СТУ	GIU	ьеu	GIII	155	ser	GIII	ser	Arg		
		Δla	Δla	Thr	T.vc	-	Cve	Gln	λla	LOU		C1 11	7 ~~	λl a	Arg	160	
209	0_0			1111	165	Olu	Cys	0111	niu	170	Giu	Gry	Arg	ніа	175	Ald	
	Ala	Ser	Glu	Gln		Ara	Gln	I.e.ii	Glu		Glu	Ara	Glu	λl =	Leu	Cln	
213				180			<b>U</b>	Dou	185	OCI	O.L.u	ni 9	Olu	190	пец	GIII	
216	Gln	Gln	His		Va1	Gln	Va l	Asp		Leu	Ara	Met	Gln		Gln	SAr	
217			195					200			9		205	O ± Y	2111	561	•
	Val	Glu		Ala	Leu	Ara	Met		Ara	Gln	Ala	Ala		Glu	Glu	Lvs	
221		210				,	215		9			220				-10	
224	Arg		Leu	Ala	Gln	Leu		Val	Ala	Tyr	His		Leu	Phe	Gln	Glu	
225		-				230				4	235					240	
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229	Tyr	ASP	ASII	HIS	245	гуѕ	ser	ser	val	250	GIÀ	ser	GIU	Arg	Lуs 255	Arg	
	Gly	Met	Gln	Leu		Asp	Leu	Lvs	Gln		Leu	Gln	Gln	Ala		Glu	
233				260		- 1			265					270			
236	Ala	Leu	Val	Ala	Lys	Gln	Glu	Val	Ile	Asp	Lys	Leu	Lys	Glu	Glu	Ala	
237			275					280					285				
240	Glu	Gln	His	Lys	Ile	Val	Met	Glu	Thr	Val	Pro	Val	Leu	Lys	Ala	Gln	
241	_	290	_				295					300					
	Ala	Asp	Ile	Tyr	Lys		Asp	Phe	Gln	Ala		Arg	Gln	Ala	Arg		
	305	÷	31-	G1	T	310	<b>01</b>	T	<b>T</b>	<b>01</b>	315	<b>a</b> 1	<b>.</b>	<b>a</b> 1	<b>a</b> 1.	320	
248	Lys	Leu	Ата	GIU	ьуs 325	Lys	GIU	Leu	Leu	330	GIU	GIn	Leu	GIU		Leu	
	Gln	Δra	Glu	Tur		Lvs	Len	T.vc	Δla		Cve	Gln	Glu	Sar	335	λνα	
253	0111	ni 9	GIU	340	Jer	БyЗ	пеа	цуз	345	261	Суз	GIII	GIU	350	Ата	AIG	
	Ile	Glu	Asp	-	Ara	Lvs	Arq	His		Glu	Val	Ser	Gln		Pro	Leu	
257			355		,	-1 -	,	360				001	365			200	
260	Pro	Pro	Ala	Pro	Ala	Tyr	Leu	Ser	Ser	Pro	Leu	Ala	Leu	Pro	Ser	Gln	
261		370				_	375					380					
264	Arg	Arg	Ser	Pro	Pro	Glu	Glu	${\tt Pro}$	Pro	Asp	Phe	Cys	Cys	Pro	Lys	Cys	
	385					390					395					400	
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	72 Cys Ile Glu																
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																gctttg	300
	tttg															ccttt	360
299	נוני	jaati	.ay t	alli	Lyac	ig Li	.aa La	llcac						.ca i			412
300									1		er s	er c	TY T	ieu i	ıp s	)EI	
	caa	gaa	aaa	atc	act	t.ca	ccc	tac	_		gag	caa	att	, †††	tac	tta	460
	Gln																
304			10					15	-			3	20		1 2		
306	ctt	ctt	caa	gaa	tgc	agc	gtt	aca	gac	aaa	caa	aca	caa	aag	ctc	ctt	508
	Leu																
308		25					30					35					
	aaa																556
	Lys	Val	Pro	Lys	Gly		Ile	Gly	Gln	Tyr		Gln	Asp	Arg	Ser		
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316					60				_	65	-	-			70	-	
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319 320	Leu	Lys	Ile	Leu 75	Glu	Gln	Pro	His	Ala 80	Val	Leu	Phe	Val	Asp 85	Glu	Lys	
322	gat	att	gta	gag	ata	aat	gaa	aaσ	t.t.c	aca	gag	tta	ctt	tta	gca	att	700
							Ğlu										, 0 0
324	P		90	0			014	95			Olu	LCu	100	Dea	1114	110	
	300	aat	-	αaα	a a a	aaa	ttc		at a	+++	222	330		330	202	at a	748
							Phe										740
328	1111	105	Cys	GIU	GIU	Arg	110	261	цец	Pile	гÃР	115	Arg	ASII	Arg	Leu	
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		гаг	GIÀ	Leu	GIN		Asp	vaı	GIA	Cys		vaı	ьуs	Val	GIn		
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	Arg	Ser	GLy	Glu		Lys	Phe	Pro	Gly		Val	Arg	Phe	Arg		Pro	
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							Asp										
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		qca	aat	cat	aaa		aca	atα	саσ	atc		ctt	cct	cct	ttα		1084
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							Leu										1132
360	110	Hon	JCI	235	vul	561	Lieu	шуз	240	Gry	GIU	1111	116	245	ser	GIY	
	202	a++	2+3		+ ~+	an+	gtt	++~		~~'~	222	~~~			~~~	+-+	1180
		-			_	-	Val	_				_	_				1100
364	1111	Val	250	rne	Cys	ASP	val		PIO	GIY	ьуѕ	GIU		Leu	GIY	Tyr	
	+++	~++		a+~	~~~	2+4	~~+	255	+		~~~		260				1000
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	Pne		СТА	vaı	Asp	met	Asp	Asn	Pro	тте	GIY		Trp	Asp	GLY	Arg	
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VERIFICATION SUMMARY

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L:11 M:270 C: Current Application Number differs, Replaced Current Application Number